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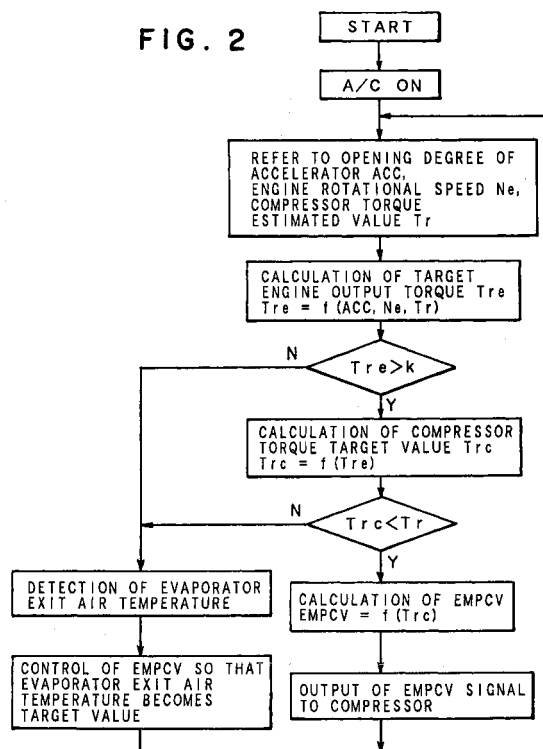
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(54) **Unit for calculating torque in refrigeration cycle and control unit using the same**

(57) A unit for calculating a compressor torque in a refrigeration cycle having a variable displacement compressor, a condenser, a pressure reducing mechanism and an evaporator, wherein the compressor torque is calculated from a pressure difference between a refrigerant discharge pressure and a refrigerant suction pressure of the compressor or a physical value having a correlation with the pressure difference, and a control unit using the same. The compressor torque may be adequately estimated without using a flow sensor.

FIG. 2





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EUROPEAN SEARCH REPORT

Application Number
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B60H F04B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 25 October 2005	Examiner Gumbel, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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